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(30) Priority:

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states:(71) Applicant: **NIPPON TELEGR & TELEPH
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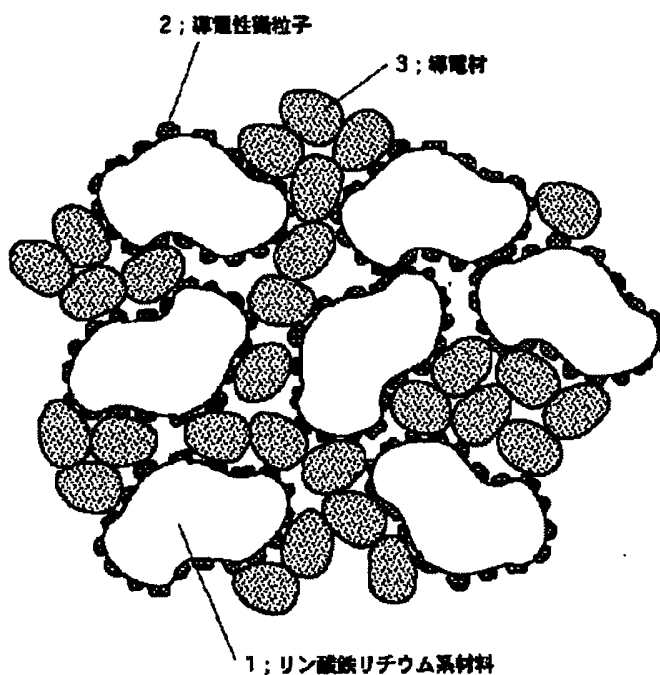
(74) Representative:

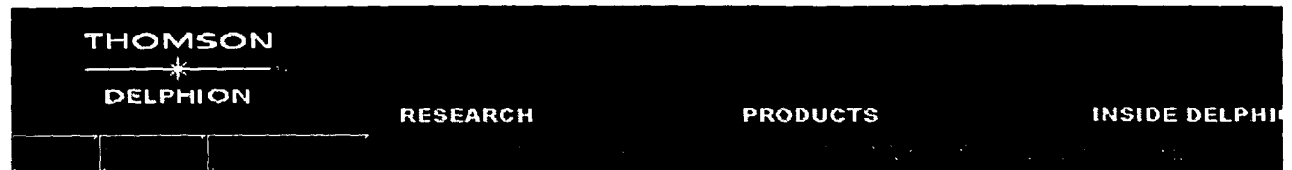
**(54) MATERIAL FOR
ACTIVATING POSITIVE
ELECTRODE OF LITHIUM
SECONDARY BATTERY
AND THE LITHIUM
SECONDARY BATTERY**

(57) Abstract:

PROBLEM TO BE SOLVED: To enhance charging and discharging capacity of a lithium secondary battery during a large-current charging and discharging, where the lithium secondary battery uses a low-price material of iron phosphate lithium as a positive electrode.

SOLUTION: A powder 2 is carried on powder 1, where a powder 1 is formed of iron phosphate lithium series material having an olivine structure, which is indicated by the general expression $\text{Li}_2\text{Fe}_{1-y}\text{X}_y\text{PO}_4$ ($0 \leq y \leq 0.3$, $0 < z \leq 1$, X is at least one selected from among magnesium, cobalt, nickel and zinc), while a powder 2 is formed of a material such that it has conductivity and whose oxidation-reduction potential is higher than that of a material for activating a positive electrode of a lithium secondary battery made of iron phosphate lithium series material. Therefore, a battery can be obtained which has larger charging and discharging capacity compared with others using an iron phosphate lithium series material that does not carry powders thereon, where charging and discharging capacity of the battery in relation to the invention is little decreased, even if charging and discharging current increases.





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Title: **JP2001110414A2: MATERIAL FOR ACTIVATING POSITIVE ELECTRODE OF LITHIUM SECONDARY BATTERY AND THE LITHIUM SECONDARY BATTERY**

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Kind: A2 Document Laid open to Public inspection

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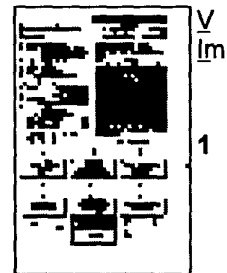
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Family: None

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PDF	Patent	Pub.Date	Invent r	Assigne	Title
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References:

	US6528033	2003-03-04	Barker, Jeremy	Valence Technology, Inc.	Method of making lithium-containing materials
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Other Abstract Info:

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